

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2005/001009

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H01L 33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and application for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

e-KIAPSS : "phosphor", "fluorescent", "silicate", "sulfide", LED"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	WO 00/33389 A1 (GENERAL ELECTRIC COMPANY) 8 JUNE 2000 see the abstract	1, 3, 5-12, 18-20 2, 4, 13, 14-16, 17
Y A	WO 03/021691 A1 (MATSUSHITA ELECTRIC IND. CO. LTD) 13 MARCH 2003 see the abstract, page 70 line 8 - page 79 line 2	1, 3, 5-12, 18-20 2, 4, 13, 14-16, 17
A	WO 02/054503 A1 (TOYODA GOSEI CO., LTD. & LEUCHSTOFFWERK BREITUNGEN GMBH) 11 JULY 2002 see the abstract	1-20
A	JP 2001-143869 A (KONICA LTD.) 25 MAY 2001 see the abstract, paragraphs [0151], [0181]	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
01 AUGUST 2005 (01.08.2005)

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR2005/001009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 00/33389 A1	08.06.2000	AU 20002033B A1 CN1289455A EP 1051758 A 1 JP 2002531955 T2 US 6429583 BA US 6791259 BA	19.06.2000 28.03.2001 15.11.2000 24.09.2002 06.08.2002 14.09.2004
WO 03/021691 A1	13.03.2003	EP 1367655 A 1 KR 1020040029313 A TW 595012 B US 20040104391 A1	03.12.2003 06.04.2004 21.06.2004 03.06.2004
WO 02/054503 A1	11.07.2002	EP 1347517 A 1 EP 1352431 A 1 KR 1020030091951 A US 2004051111 A1 WO 02054502 A1	24.09.2003 15.10.2003 03.12.2003 18.03.2004 11.07.2002
JP 2001-143869 A	25.05.2001	EP 1013740 A2 EP 1013740 A3 KR 1020000052560 A US 20040058195 A1 US 20040062951 A1 US 20040072019 A1 US 20040096696 A1 US 6656608 BA	28.06.2000 30.01.2002 25.08.2000 25.03.2004 01.04.2004 15.04.2004 20.05.2004 02.12.2003